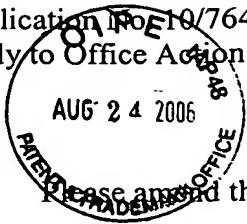


Application No. 10/764,456
Reply to Office Action of April 25, 2006



IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A fastener for use in a plasma processing system comprising:

an enlarged head;

a mating section;

~~a surface anodization layer over only a portion of a surface of the fastener;~~ and

a plasma resistant coating over only the head of the fastener ~~a portion of surface anodization layer.~~

Claim 2 (Original): The fastener of claim 1 wherein the coating comprises Al₂O₃.

Claim 3 (Original): The fastener of claim 1 wherein the coating comprises Al₂O₃ and Y₂O₃.

Claim 4 (Original): The fastener of claim 1 wherein the coating comprises a compound containing at least one of a III-column element and a Lanthanon element.

Claim 5 (Original): The fastener of claim 4 wherein the III-column element comprises at least one of Cerium, Dysprosium, and Europium.

Claim 6 (Original): The fastener of claim 1 wherein the coating comprises at least one of Y₂O₃, Sc₂O₃, Sc₂F₃, La₂O₃, CeO₂, Eu₂O₃ or DyO₃.

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Claim 7 (Original): The fastener of claim 1 wherein the enlarged head comprises a recess.

Claim 8 (Original): The fastener of claim 7 wherein said recess comprises an elongate female recess.

Claim 9 (Original): The fastener of claim 7 wherein said recess comprises a square recess.

Claim 10 (Original): The fastener of claim 7 wherein said recess comprises a hexagonal recess.

Claim 11 (Original): The fastener of claim 7 wherein said recess comprises an ovular recess.

Claim 12 (Original): The fastener of claim 1 wherein the enlarged head comprises a male shape.

Claim 13 (Original): The fastener of claim 12 wherein the male shape comprises a geometrical shape.

Claim 14 (Original): The fastener of claim 13 wherein the male shape comprises a hexagon.

Claim 15 (Original): The fastener of claim 12 wherein the male shape comprises a non-geometrical shape.

Claim 16 (Original): The fastener of claim 1 wherein the plasma resistant coating comprises a sprayed on coating.

Claim 17 (Original): The fastener of claim 16 wherein the enlarged head is resistant to plasma etching.

Claim 18 (Original): The fastener of claim 1 wherein a thickness of the coating is uniform along a first specified surface.

Claim 19 (Original): The fastener of claim 1 wherein the thickness of the coating is variable along a first specified surface.

Claim 20 (Withdrawn): A method of manufacturing a plasma resistant fastener comprising:

machining the fastener;

cleaning the fastener; and

forming a coating on the fastener sufficient to protect at least a portion of the fastener from plasma etching.

Claim 21 (Withdrawn): The method of claim 20 wherein the fastener is anodized after it is cleaned but before the coating is formed.

Claim 22 (Withdrawn): The method of claim 21 wherein a mask is applied to the fastener after the fastener is cleaned but before the fastener is anodized.

Claim 23 (Withdrawn): The method of claim 22 wherein the mask is removed from the fastener after the coating has been applied.

Claim 24 (Withdrawn): A method of making a fastener resistant to plasma etching comprising the steps of:

partially machining the fastener;
anodizing the fastener to form an anodization layer;
completing the partial machining of the fastener to a desired finish; and
forming a coating on said fastener sufficient to protect at least a portion of the fastener from plasma etching.